AMENDMENT TO THE SPECIFICATION

Page 1, before line 6, insert --The present Application is a Continuation Application of U.S. Patent Application No. 09/803,655, filed on March 12, 2001.--

Please amend the following paragraph starting on Page 11, line 14 through line 21:

In the high pressure discharge lamp according to this embodiment of the invention, as shown in FIG. ~~1~~ 5, electrodes 2a and 2b are joined to Mo foils 3a and 3b, respectively, and a part of the electrodes 2a and 2b and the Mo foils 3a and 3b are sealed at their respective ends of a quartz glass bulb 1. The shrink sealing method is used for sealing the quartz glass bulb 1. That is, the sealing process is carried out by naturally shrinking the quartz glass bulb 1 after heating the quartz glass bulb 1 while maintaining a predetermined difference in pressure between the inside and outside of the quartz glass bulb 1.

Please amend the following paragraph starting on Page 18, line 5 through line 14:

FIG. 6 is a graph showing the relationship between the maximum value, R_{max}, of the surface roughness of an electrode at the contacting portion and the defect percentage. In the example shown in FIG.6, the power supplied to the high pressure discharge lamp was 200 W, the diameter φ of the electrode was 0.6 mm, and the length of the contacting portion formed by contacting the electrode and the quartz glass bulb was 1.2 mm. The surface roughness of the electrode was measured by using a contact-type surface roughness of the electrode was measured by using a contact-type surface roughness measuring instrument. The maximum value R_{max}, of the surface roughness of the electrode is defined as the maximum of the absolute value of the difference between the distance from the axial center 43 of the electrode (as shown in FIG. 1) to a particular point on the surface of the electrode and the mean value of the distance.